

Siu

1634

#8
Plunkett
4/13/00

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/320,609

DATE: 03/03/2000
TIME: 12:14:37

Input Set: I320609.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

RECEIVED
MAR 16 2000
TC 1600 MAIL ROOM

1 <110> APPLICANT: Wilusz, Jeffrey
2 Ford, Lance P
3 <120> TITLE OF INVENTION: SYSTEM FOR REPRODUCING AND MODULATING STABILITY AND
4 TURNOVER OF RNA MOLECULES
5 <130> FILE REFERENCE: 601-1-088N
6 <140> CURRENT APPLICATION NUMBER: US/09/320,609
7 <141> CURRENT FILING DATE: 1999-05-26
8 <150> EARLIER APPLICATION NUMBER: US 60/086,675
9 <151> EARLIER FILING DATE: 1998-05-26
10 <160> NUMBER OF SEQ ID NOS: 12
11 <170> SOFTWARE: PatentIn Ver. 2.0
12 <210> SEQ ID NO 1
13 <211> LENGTH: 59
14 <212> TYPE: DNA
15 <213> ORGANISM: Artificial Sequence
16 <220> FEATURE:
17 <223> OTHER INFORMATION: Description of Artificial Sequence: By hybridizing
18 this synthetic oligonucleotide and its appropriate
19 complement, template for ARE-A0 RNA were
20 generated.
21 <400> SEQUENCE: 1
22 atttaggtga cactatagaa tacacattat ttattattta tttattattt atttattta 59
23 <210> SEQ ID NO 2
24 <211> LENGTH: 59
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Description of Artificial Sequence: By hybridizing
29 this synthetic oligonucleotide and its appropriate
30 complement, templates for MT-ARE-A0 RNA were
31 generated.
32 <400> SEQUENCE: 2
33 atttaggtga cactatagaa tacacgttag tattcatttg tttactattg atttcttta 59
34 <210> SEQ ID NO 3
35 <211> LENGTH: 68
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial Sequence: By hybridizing
40 this synthetic oligonucleotide and its appropriate
41 complement, templates for Fos-A0 RNA were
42 generated.
43 <400> SEQUENCE: 3
44 atttaggtga cactatagaa tacacaaatt ttattgtgtt ttttaatttat ttattaagat 60

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/320,609

DATE: 03/03/2000
TIME: 12:14:37

Input Set: I320609.RAW

```

45      ggattctc .                                     68
46      <210> SEQ ID NO 4
47      <211> LENGTH: 33
48      <212> TYPE: DNA
49      <213> ORGANISM: Artificial Sequence
50      <220> FEATURE:
51      <223> OTHER INFORMATION: Description for artificial sequence: Templates for
52      SVARE-A0 RNA were generated by inserting the
53      TNF-alpha ARE containing this oligonucleotide and
54      its appropriate complement between the PstI and
55      Hind
56      <400> SEQUENCE: 4
57      attattttatt atttatttat tatttattat tta                                     33
58      <210> SEQ ID NO 5
59      <211> LENGTH: 70
60      <212> TYPE: DNA
61      <213> ORGANISM: Artificial Sequence
62      <220> FEATURE:
63      <223> OTHER INFORMATION: Description of Artificial Sequence: By hybridizing
64      this synthetic oligonucleotide and its appropriate
65      complement , templates for CX-A0 RNA were
66      generated.
67      <400> SEQUENCE: 5
68      atttaggtga cactatagaa tacaccccaa cgggccctcc ctcccctcct tgcaccatca 60
69      tcgcatcacg                                                                                                     70
70      <210> SEQ ID NO 6
71      <211> LENGTH: 34
72      <212> TYPE: RNA
73      <213> ORGANISM: Artificial Sequence
74      <220> FEATURE:
75      <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNAs
76      used in competition studies. ARE.
77      <400> SEQUENCE: 6
78      auuauuuuuu auuuauuuau uauuuuuuuu uuua                                     34
79      <210> SEQ ID NO 7
80      <211> LENGTH: 13
81      <212> TYPE: RNA
82      <213> ORGANISM: Artificial Sequence
83      <220> FEATURE:
84      <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA
85      used in competition studies contains this
86      sequence. Non-specific competitor.
87      <400> SEQUENCE: 7
88      gucacguguc acc                                                                                               13
89      <210> SEQ ID NO 8
90      <211> LENGTH: 23
91      <212> TYPE: DNA
92      <213> ORGANISM: Artificial Sequence
93      <220> FEATURE:
94      <223> OTHER INFORMATION: Description of Artificial Sequence: This synthetic

```

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/320,609DATE: 03/03/2000
TIME: 12:14:37

Input Set: I320609.RAW

95 oligonucleotide and its appropriate complement
96 were generated, hybridized, and ligated to Hind III
97 cut DNA templates.
98 <400> SEQUENCE: 8
99 agctatattg aggtgctcga ggt 23
100 <210> SEQ ID NO 9
101 <211> LENGTH: 24
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: SP6 promoter
106 primer.
107 <400> SEQUENCE: 9
108 catacgattt aggtgacact atag 24
109 <210> SEQ ID NO 10
110 <211> LENGTH: 14
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Description of Artificial Sequence: A specific 3'
115 end primer for ligated oligonucleotide.
116 <400> SEQUENCE: 10
117 acctcgagca cctc 14
118 <210> SEQ ID NO 11
119 <211> LENGTH: 12
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: Antisense
124 oligonucleotide.
125 <400> SEQUENCE: 11
126 agttaaataa at 12
127 <210> SEQ ID NO 12
128 <211> LENGTH: 5
129 <212> TYPE: RNA
130 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence: This sequence
133 often repeats in AREs (A-U rich sequence) found in
134 the 3' untranslated region of many short-lived
135 mRNAs.
136 <400> SEQUENCE: 12
137 auuua 5

PAGE: 4

VERIFICATION SUMMARY
PATENT APPLICATION US/09/320,609

DATE: 03/03/2000
TIME: 12:14:37

Input Set: I320609.RAW

Line ? Error/Warning

Original Text
